

Technical Direction Letter (TDL)

This Technical Direction Letter (TDL) is issued subject to the terms and conditions of the reference OASIS contract, Task Order. See Task Order section H.25 Technical Directions Letters for complete details.

Date:	September 09, 2020	TDL Identification Number:	2020-00
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Subject:	Technical Direction in Support of Task Order 47QFCA18F0118
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Project Title:	AFRICOM Airborne ISR
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Project Sponsor:	Organization: (b) (6) AFRICOM (b) (3) (A) Telephone: (b) (6) Email: (b) (6)
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Funding Source:	Organization: (b) (6), AFRICOM (b) (3) (A) Telephone: (b) (6) Email: (b) (6)
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Severable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Reviewed/Concurrence: Contracting Officer's Representatives
I have determined this TDL is within scope of the basic REQUIREMENT.

(b) (6) GSA FAS AAS FEDSIM Phone: (b) (6) E-mail: (b) (6)	
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Date 9/9/2020

Reviewed/Concurrence: Contracting Officer

I have determined this TDL is within scope of the basic REQUIREMENT. You are hereby authorized to proceed on the above-referenced TDL beginning on the date signed by the Contracting Officer.

Steve Madsen, FEDSIM Contracting Officer Phone: (202) 412-9341 E-mail: steve.madsen@gsa.gov	
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Date

PART I: REQUIREMENTS

TDL PERIOD OF PERFORMANCE

The anticipated Period of Performance associated with this TDL is from 14 September 2020 through 13 September 2021

PART 2: TECHNICAL DIRECTION DESCRIPTION

1.0 SCOPE:

AFRICOM has a requirement to accomplish uniquely configured aircraft operations with regard to the collection, processing and dissemination of information in support of ISR operational requirements within the AFRICOM Area of Responsibility (AOR). This acquisition will provide an agile response in support of AFRICOM requirements by efficiently supporting the critical mission needs by providing planning, research, analysis, system and software engineering and integration, system testing and evaluation, system deployment, system security, and system training support through the integration of ISR aircraft for AFRICOM. This effort will integrate and deliver Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) information technology and the analysis, testing, development, and integration of equipment, and training for ISR assets.

2.0 GOVERNMENT FLIGHT REPRESENTATIVE (GFR):

GFR and COR will have the authority to administer the requirements of the combined instruction Contractor's Flight and Ground Operations (DCMA INST 8210.01c Chg 1, AFI 10-220, AR 95-20, NAVAIRINST 3710.01 (Series, and COMDTINST M13020.3).

Does GFR apply to this TDL?	
<input checked="" type="checkbox"/> Yes	Rationale: Aircraft are designated state use aircraft by the AFRICOM Commander, and outside the purview of the FAA. A GFR is required to oversee ground and flight operations.
<input type="checkbox"/> No	

If GFR is required, the Contracting Officer will assign, in a separate correspondence, a GFR to administer the requirements of the combined instruction Contractor's Flight and Ground Operations, (DCMA INST 8210.1C Chg 1).

3.0 TECHNICAL REQUIREMENTS:

Provide Program Management (Task 1)

TO Section C.5.1.12 Project Management (Subtask 12)

The contractor shall perform administrative, technical and financial functions for AFRICOM-sponsored projects, and shall maintain a status of efforts toward achieving the objectives of each project, including the reporting of all technical activities/efforts, problems/deficiencies, impacts, and recommended solutions in the form of Daily Status Reports (Section F, Deliverable 52).

Operations and Maintenance (Task 6)

TO Section C.5.6.1 Operations (Subtask 1)

The contractor shall operate and maintain the aircraft that are used in support of C4ISR, within the scope of this TO, and provide support for the analysis of ISR data.

Specifically, the contractor shall ensure that each (b) (3) (A) aircraft is equipped with (b) (3) (A). The aircraft will have the following Aircraft Structural Modifications:

(b) (3) (A)

TO Section C.5.9 Cyber Security and Information Assurance (IA) Support (Task 9):

The contractor shall support all information assurance officer responsibilities IAW JAFAN 6/3 and DCID 6/3, and provide IA assistance to units involved in classified activities, establish and maintain accreditation for all information systems operating within a classified environment, and develop and maintain system security plans outlining security operating procedures.

The contractor shall:

- Provide technical advisory support to AFRICOM and United States Special Operations Command (SOCOM) by defining risks to COCO AISR assets utilizing available threat and vulnerability information. (C.5.9)
- Oversee and implement the Information Assurance Vulnerability Management (IAVM) plan and support for certification and accreditation activities. Support shall include reporting of vulnerability alerts, assessment of vulnerability notices and corrective action to systems as required. (C.5.9f, C.5.9i)
- Maintain the system baseline in accordance with the IAVM and ensuring the end users receive updates to stay in compliance with the IAVM plan. (C.5.9f, C.5.9i)
- Maintain a functionally equivalent mission system in a lab environment to assess vulnerabilities and software patch effectiveness. (C.5.9f, C.5.9i, C.5.9j)
- Oversee the configuration management and configuration control of the approved baseline. Changes to the system will be evaluated and security recommendations will be given to all stakeholders. (C.5.9b, C.5.9f, C.5.9m)

4.0 PERSONNEL & BILLETS:

Personnel assigned to support this effort shall be required to possess or be capable of receiving a current TS/SCI clearance; personnel will be required to access, view, possess, process and/or use classified information, information systems and workspaces to successfully complete assigned functions.

5.0 TRAVEL:

Travel shall be in accordance with the Task Order sections H.12 and H.22. Places of performance for this TDI shall be:

(b) (3) (A)

6.0 DELIVERABLES CHECKLIST:

#	Milestone/Deliverable	Required	Planned Completion Date
52	Daily flight status report	Daily	See TO

7.0 SEVERABILITY STATEMENT:

This TDL is a severable task. It is a dynamic concept requiring incremental funding due to changing customer requirements.

8.0 DOCUMENT HISTORY:

Revision No.	Author	Reason for Change	Document Date
2019-00	(b) (6)	Original TDL. (Work operated under TO in Option Year 1 Period).	12 September, 2019
2020-00	(b) (6)	TO Option Period Two (OP2) exercised. TDL revised for OP2 dates.	09 September, 2020

Technical Direction Letter (TDL)

This Technical Direction Letter (TDL) is issued subject to the terms and conditions of the reference OASIS contract, Task Order. See Task Order section H.25 Technical Directions Letters for complete details.

Preparation Date:	September 09, 2020	TDL Identification Number:	2020-01
Subject:	Technical Direction in Support of Task Order 47QFCA18F0118		

Project Title:	USAFRICOM COCO (b) (3) (A) Support
Project Sponsor:	Organization: (b) (6) USAFRICOM (b) (3) Telephone: (b) (6) Email: (b) (6)
Funding Source:	Organization: (b) (6), USAFRICOM (b) (3) Telephone: (b) (6) Email: (b) (6)
Severable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Reviewed/Concurrence: GSA FEDSIM Contracting Officer's Representatives

I have determined this TDL is within scope of the basic REQUIREMENT.

(b) (6) GSA FAS AAS FEDSIM Phone: (b) (6) E-mail: (b) (6)	Date 9/9/2020

Approved: GSA FEDSIM Contracting Officer

I have determined this TDL is within scope of the basic REQUIREMENT. I hereby authorize work on this TDL. Effective date is the date signed by the Contracting Officer unless otherwise identified.

Steve Madsen, FEDSIM Contracting Officer Phone: (202) 412-9341 E-mail: steve.madsen@gsa.gov	Date

PART I: REQUIREMENTS

TDL PERIOD OF PERFORMANCE

The anticipated Period of Performance associated with this TDL is from 14 September 2020 through 13 September 2021

PART 2: TECHNICAL DIRECTION DESCRIPTION

1.0 Scope:

USAFRICOM has an enduring Intelligence, Surveillance, and Reconnaissance (ISR) (b) (3) (A)

To address this requirement, USAFRICOM is pursuing a Contractor-Owned/Contractor-Operated (COCO) (b) (3) (A) system to support a specific mission set at a remote OCONUS location (b) (3) (A). The COCO (b) (3) (A) system and accompanying support includes, but is not limited to, (b) (3) (A)

(b) (3) (A) ancillary equipment, spares, and personnel to operate, maintain, and provide logistics and sustainment support to USAFRICOM missions.

The initial deployment will be accomplished with COCO (b) (3) (A) aircraft with possibility to upgrade/modify to COCO (b) (3) (A) variant based upon certification, availability, assessment, and decision by USAFRICOM. Additionally, the initial deployment will be accomplished through (b) (3) (A)

2.0 Government Flight Representative (GFR):

GFR and COR will have the authority to administer the requirements of the combined instruction Contractor's Flight and Ground Operations, (DCMA INST 8210.01C Chg 1).

Does GFR apply to this TDL?	
<input checked="" type="checkbox"/> Yes	Rationale: Aircraft are designated state use aircraft by the AFRICOM Commander, and outside the purview of the FAA. A GFR is required to oversee ground and flight operations.
<input type="checkbox"/> No	

If GFR is required, the Contracting Officer will assign, in a separate correspondence, a GFR to administer the requirements of the combined instruction Contractor's Flight and Ground Operations, (DCMA INST 8210.1C Chg 1).

3.0 Technical Requirements:

- 3.1 The contractor shall operate the (b) (3) (A) platform for the purpose of collecting ISR data (C.5.6.1), providing (b) (3) (A) capability for government use, and maintain the aircraft and payloads IAW applicable publications (C.5.6.2, C.5.6.3)
- 3.2 The contractor shall support the analysis, processing, exploitation, and dissemination of ISR data collected from the aircraft. (C.5.6)
- 3.3 The contractor shall provide the technical support required to design, develop, install, integrate, and test (b) (3) (A) systems. (C.5.3, C.5.4, C.5.5)
- 3.4 The contractor shall conduct test and evaluation of (b) (3) (A) system and platform modifications. This effort includes test planning, conduct, and reporting. (C.5.3, C.5.4, C.5.5)
- 3.5 The contractor shall provide the training of government personnel on provided (b) (3) (A) capability. (C.5.8)

- 3.6 The contractor shall support the required actions to ensure the capability is operationally effective including but not limited to:
- 3.6.1 Provide the subject matter expertise necessary to operate (b) (3) (A) systems (C.5.6)
 - 3.6.2 Advise government personnel on effective operations (C.5.6)
- 3.7 The contractor shall maintain Cybersecurity and Information Assurance postures as stated in the Task Order. (C.5.9)

4.0 Personnel:

Contractor personnel shall be required to possess a current security clearance, up to Top Secret with Sensitive Compartmented Information determination (TS/SCI), as stated in H.7.2 of the TOR. Personnel assigned to support this effort shall be required to access, view, possess, process and/or use classified information, information systems, and workspaces to successfully complete assigned functions.

5.0 Travel:

Travel shall be in accordance with the Task Order sections H.12 and H.22. Places of performance for this TDL shall be within the (b) (3) (A).

6.0 Severability Statement:

This is a severable TDL. The tasks are continuing and recurring in nature. The services can be separated into components that independently provide value to meet the Customer's needs. This effort will be incrementally funded.

7.0 Deliverables:

Deliverables required by this TDL will be determined by the AFRICOM sponsor, and delineated below.

Deliverable #	Milestone/Deliverable	Planned Completion Date
52	Daily flight status reporting	See TO

8.0 Document History:

Revision	Author	Reason for Change	Document Date
2018-01	(b) (6)	Original TDL	January 7, 2019
2018-01 Mod 1	(b) (6)	Adding in-scope (b) (3) (A) capability	August 23, 2019
2019-01	(b) (6)	TO Option Period One (OP1) exercised. TDL revised for OP1 dates.	September 12, 2019
2020-01	(b) (6)	TO Option Period Two (OP2) exercised. TDL revised for OP2 dates.	September 09, 2020

Technical Direction Letter (TDL)

This Technical Direction Letter (TDL) is issued subject to the terms and conditions of the reference OASIS contract, Task Order. See Task Order section H.25 Technical Directions Letters for complete details.

Date:	September 10, 2020	TDL Identification Number:	2020-04
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Subject:	Technical Direction in Support of Task Order 47QFCA18F0118
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Project Title:	(b) (3) (A) Intel Analyst
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Project Sponsor:	Organization: (b) (6) Telephone: (b) (6) Email: (b) (6)
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Funding Source:	Organization: (b) (6) Telephone: (b) (6) Email: (b) (6)
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Severable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Reviewed/Concurrence: Contracting Officer's Representatives
I have determined this TDL is within scope of the basic REQUIREMENT.

(b) (6) GSA FAS AAS FEDSIM Phone: (b) (6) E-mail: (b) (6)	
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Date 9/9/2020

Reviewed/Concurrence: Contracting Officer
I have determined this TDL is within scope of the basic REQUIREMENT. You are hereby authorized to proceed on the TDL on the date indicated in the TDL Period of Performance section.

Steve Madsen, FEDSIM Contracting Officer Phone: (202) 412-9341 E-mail: steve.madsen@gsa.gov	
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Date

PART I: REQUIREMENTS

TDL PERIOD OF PERFORMANCE

The anticipated Period of Performance associated with this TDL is from 14 September 2020 through 13 September 2021.

PART 2: TECHNICAL DIRECTION DESCRIPTION

7.0 SCOPE:

(b) (3) (A) has an enduring requirement to develop and support CONUS and OCONUS solutions to specific mission gaps related to its mission of developing our Partner Nations' ability to conduct Counterterrorism Operations, responding to crisis, and deterring and defeating transnational threats in order to advance U.S. national interests and promoting regional security, stability, and prosperity.

8.0 GOVERNMENT FLIGHT REPRESENTATIVE (GFR):

GFR and COR will have the authority to administer the requirements of the combined instruction Contractor's Flight and Ground Operations, (DCMA INST 8210.01c Chg 1, AFI 10-220, AR 95-20, NAVAIRINST 3710.01 (Series, and COMDTINST M13020.3)

Does GFR apply to this TDL?	
<input type="checkbox"/> Yes	Provide rationale/reasoning below.
<input checked="" type="checkbox"/> No	
Rationale: This TDL does not support any flight operations	
GFR POC:	

If GFR is required, the Contracting Officer will assign, in a separate correspondence, a GFR to administer the requirements of the combined instruction Contractor's Flight and Ground Operations, (DCMA INST 8210.1, AFI 10-220, AR 95-20, NAVAIRINST 3710.1 (Series), and COMDTINST M13020.3). This is applicable in all requirements for the modification, maintenance, repair, flight, or overhaul of aircraft in accordance with DFARS PGI 228.370 and DFARS 252.228-7001.

9.0 TECHNICAL REQUIREMENTS:

9.1 Program Management (Task One):

The contractor shall comply with the requirements of C.5.1.12 (Project Management) of the Task Order.

9.2 Intelligence Analysis and Assessments (Task Seven):

9.2.1 The contractor shall provide personnel to perform duties and tasks in support of (b) (3) (A) to provide the Government detailed intelligence analysis and comprehensive intelligence collection in the form of Strategic Capabilities Assessment Reports (Section F, Deliverable 45).

9.2.2 The contractor is expected to provide personnel with Level 2+ language proficiency in languages and dialects within the Area of Operations. (b) (3) (A)

4.0 PERSONNEL & BILLETS

Contractor personnel shall be required to possess a current security clearance, up to Top Secret with Sensitive Compartmented Information determination (TS/SCI) with Counter Intelligence Polygraph, as stated in H.7.2 of the TOR. Personnel assigned to support this effort shall be required to access, view, possess, process and/or use classified information, information systems, and workspaces to successfully complete assigned functions.

5.0 TRAVEL:

Travel shall be in accordance with the Task Order sections H.12 and H.22. Places of performance for this TDL shall be within the (b) (3) (A).

6.0 SEVERABILITY STATEMENT:

This TDL is a severable task. It is of a continuous and recurring nature and will be incrementally funded to support the client.

7.0 DELIVERABLES CHECKLIST:

#	Milestone/Deliverable	Required	Planned Completion Date
45	Strategic Capabilities Assessment Reports	See TO	See TO

8.0 DOCUMENT HISTORY:

Revision No.	Author	Reason for Change	Document Date
2018-04	(b) (6)	Original TDL	June 25, 2019
2019-04		TO Option Period One (OP1) was exercised. Updated TDL to include TO OP1 dates.	September 13, 2019
2020-04		TO Option Period Two (OP2) was exercised. Updated TDL to include TO OP2 dates.	September 9, 2020

Technical Direction Letter (TDL)

This Technical Direction Letter (TDL) is issued subject to the terms and conditions of the Task Order and shall not be used to assign new work, direct a change to the quality or quantity of supplies and/or services delivered, change the delivery date(s) or period of performance of the contract, or change any other conditions of the Task Order.

Date:	September 9, 2020	TDL Identification Number:	2020-05-01
Subject:	Technical Direction in Support of Task Order 47QFCA18F0118		

Project Title:	USAF GeoBase Program and Enterprise Installation Support
Project Sponsor:	Organization: AFCEC Geospatial Integration Office (AFCEC/CPRI) Telephone: (b) (6) Email: (b) (6)
Funding Source:	Organization: AFCEC Geospatial Integration Office (AFCEC/CPRI) Telephone: (b) (6) Email: (b) (6)
Urgent Requirement:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Severable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
DD-254:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Reviewed/Concurrence: Contracting Officer's Representatives

I have determined this TDL is within scope of the basic REQUIREMENT.

(b) (6) GSA FAS AAS FEDSIM Phone: (b) (6)	Date 9/9/2020
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Reviewed/Concurrence: Contracting Officer

I have determined this TDL is within scope of the basic REQUIREMENT. You are hereby authorized to proceed on the above-referenced TDL beginning on the date signed by the Contracting Officer.

Steve Madsen, FEDSIM Contracting Officer Phone: (202) 412-9341 E-mail: steve.madsen@gsa.gov	Date
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Reviewed/Concurrence: Smartronix Contracts Administrator

I have determined this TDL is within scope of the basic REQUIREMENT.

(b) (6) Sr. Contracts Administrator Phone: (b) (6)	Date
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PART I: REQUIREMENTS

TDL PERIOD OF PERFORMANCE

The anticipated Period of Performance associated with this TDL is from 14 September 2020 through 13 September 2021

PART 2: TECHNICAL DIRECTION DESCRIPTION

1.0 PURPOSE:

The desired project end state is to provide the Air Force Civil Engineer Center (AFCEC) Geographic Information Office (GIO) with operational geospatial support and products that meet and benefit the Air Force (AF) geospatial mission requirements. These products and support will include a wide variety of solutions which include but are not limited to geospatial maps, data, models, analytics, and automation. These efforts are required for USAF and DoD to sustain and maintain the Air Force GeoBase Program. The United States Air Force (USAF) GeoBase program provides mature and complex geospatial capabilities and services to users across the USAF and Department of Defense (DoD) to include the warfighter and downrange personnel. The GeoBase Program requires dedicated support for management, technical, and strategic functions across multiple installations including AFCEC GIO, Air Forces Central (AFCENT), Air Forces Southern (AFSOUTH), Air Force Special Operations Command (AFSOC), Air Combat Command (ACC), and Air Force Materiel Command (AFMC).

APPLICABLE TASKS

The following SOW tasks are applicable to this TDL:

Applicable	Task	Task Title
✓	1	C.5.1 – Program Management
N/A	2	C.5.2 – Transition Support
N/A	3	C.5.3 – Intelligence, Surveillance, and Reconnaissance (ISR) Capabilities Research and Analysis
N/A	4	C.5.4 – ISR Systems Design and Developmental Engineering
N/A	5	C.5.5 – Test, Evaluation, and Deployment of ISR Systems
✓	6	C.5.6 – Operations and Maintenance
N/A	7	C.5.7 – Intelligence Analysis and Assessments
✓	8	C.5.8 – Training Support
N/A	9	C.5.9 – Cybersecurity and Information Assurance (IA) Support

2.0 INTRODUCTION:

The AFCEC GIO requires technical geospatial products and support to meet and benefit the Air Force geospatial mission requirements at the installation, command, and war fighter levels. The overall mission of the GeoBase Program is to create and exploit geospatial information and services to optimize agile combat support (ACS) and minimize operational risk. The GeoBase Program supports this mission with on-site operational and leadership support, systems and information technology integration, installation geospatial support, and strategic and technical reach back support.

3.0 SCOPE:

This Technical Direction Letter (TDL) delineates the subtasks that the contractor will perform in support of USAF GeoBase Program Support.

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UNCLASSIFIED

4.0 TECHNICAL REQUIREMENTS:

Tasks to be completed in support of the USAF GeoBase Program and Enterprise Installation Support include:

4.1 Program Management (Task 1):

The contractor shall comply with the requirements of C.5.1.12 (Project Management) of the Task Order, to include:

1. Formulation of Project Management Plan outlining team organization, staff assignment, milestones and detailed deliverable schedule.
2. Formulation of Communications Plan. The communication plan will establish processes for official communication, outreach programs, and customer input tracking.
3. Program Management: Manage, prioritize, communicate, oversee, monitor and control quality of all USAF GeoBase team tasks. Process tasking from USAF GeoBase program, MAJCOMS, installations and other DoD enterprise users. Track all work elements in the Defense Intelligence Information Enterprise (DI2E) task management system, meet regularly with geospatial functional leads, and prioritize tasks for the USAF GeoBase Operations team.
4. Submission of monthly activity reports summarizing all technical and administrative contractor activities
5. Assist in creating and updating documentation associated with this task order to include but not limited to playbooks, continuity books, plans, agendas, minutes, policies, and guidance.
6. Prepare briefings, background/talking papers, charts, graphs, tables, and reports in support of USAF GeoBase program objectives.
7. Represent the USAF GeoBase program at various AFCEC, Air Force (AF), and DoD meetings, workshops, and conferences.
8. Represent USAF GeoBase program on various AFCEC, AF, and DoD Working Groups and Tiger Teams.
9. Coordinate communications with installation USAF GeoBase programs including requests for operational support, data calls and the dissemination of other program related information.
10. Support installation activities, via phone or on-line collaboration required for the communication of USAF GeoBase program policies and procedures on a reoccurring basis as directed by USAF GeoBase Program Manager/AFCEC GIO.
11. Support USAF GeoBase Program Manager out-reach and collaboration with mission partners and other agencies.
12. Create/update cartographic and informational media for USAF GeoBase program mission demonstrations and public relations exhibitions.
13. Perform reviews of Geographic Information System (GIS) data and assess functional accuracy/completeness, and compliance with applicable regulations.
14. Provide briefings and reports per the Deliverable Checklist.

4.2 Operations and Maintenance (Task 6)

The contractor shall comply with the requirements of C.5.6 (Operations and Maintenance) of the Task Order and shall provide USAF GeoBase Program Geospatial Data Management and Mapping - Operational Support, to include:

1. Enterprise and Installation Data Standards Compliance: Ensure AF Geospatial Enterprise compliance with federal and national geospatial policy and/or guidance.

- Ensure compliance with the current Spatial Data Standards for Facilities, Infrastructure and Environment (SDSFIE) and any other applicable DoD standards. Assist AFCEC FMO and PMO on the SDSFIE Transition Plan to migrate all AF Installation data to current standard when necessary.
2. Data Management Documentation: Create, update, refine, and maintain documentation for Standard Operating Procedures (SOP), Operations, Strategic, and other Plans, and any other guidance required for USAF GeoBase program operations.
 3. Map Production and Data Requests: Produce standard and custom maps, vector and imagery data, and other geospatial analysis products as requested by clients and end users and deliver geospatial data and mapping products on both Non-Secure Internet Protocol Router (NIPR and Secure Internet Protocol Router (SIPR) networks from (b) (3) (A)
 4. Installation Support Site Visits: conduct on-site support visits to AF installations to provide operational support for data development and maintenance and mapping products.
 5. Define and document geospatial data quality standards (e.g. ISO 19157/ISO19158/SDSFIE), processes, and procedures for USAF GeoBase program implementation.
 6. Conduct quarterly USAF GeoBase program geospatial enterprise data quality assessments (vector/tabular) using industry standard geospatial technologies and participate in creation of data quality improvement plans for geospatial enterprise data corrective actions.
 7. Assist, advise, and train USAF GeoBase program stakeholders on enterprise-wide geospatial capabilities.
 8. Perform processing, quality assessment, interpretation and analysis for USAF GeoBase program Imagery Collection program (b) (3) (A)
 9. Provide operational support and training to installation personnel on using geospatial visualization applications for geospatial analysis.
 10. Utilize standard geospatial analysis software suites, (b) (3) (A) to ensure data is captured and presented in appropriate formats for analytical purposes and customer ease of use.
 11. Assist in design and production of Visual Media Products in support of the USAF GeoBase program.
 12. Use geospatial information in support of AF missions through the expansion of the USAF GeoBase program geospatial integration efforts and identification of geospatial support.
 13. Create charts, graphs, maps, reports, tables, and GeoBase geodatabases.
 14. Assist installations and forward operating locations in the implementation of SDSFIE AF adaptation, and conversion of non-standard spatial data using analytical tools.
 15. Assist in creating GeoBase geodatabases for use by AF geospatial professionals and technicians to facilitate the sharing and consumption of geospatial data across missions and organizations.
 16. Acquire, process, evaluate and manage USAF GeoBase program expeditionary geospatial operations on both Non-Secure Internet Protocol Router (NIPR and Secure Internet Protocol Router (SIPR) networks (b) (3) (A)
 17. Provide on-site support to USAF GeoBase program expeditionary geospatial analysts and operators at (b) (3) (A)

18. Train and support USAF GeoBase program expeditionary and deployed geospatial analysts and operators in data management, creation of map products and geospatial analysis.
19. Provide written guidance and SOPs' to support expeditionary data management, creation of map products and geospatial analysis.
20. Utilize geospatial applications and tools to perform expeditionary Site assessments.
21. Document all expeditionary support services provided in a monthly report.
22. Conduct analysis and modeling, performance analysis, and trend analysis for geospatial mission inquiries and requests.
23. Provide geospatial data analysis utilized within the USAF GeoBase program in accordance with appropriate laws and regulations and make recommendations to the government concerning their disposition and course of actions.
24. Recommend solutions to ensure sustainable installation and missions across the built and natural (B&N) infrastructure.
25. Conduct and assist with USAF GeoBase program geospatial predictive analytics and utilization of statistical techniques.
26. Investigate and research commercially available and emerging geospatial technologies for the advancement of the USAF GeoBase program.
27. Provide geospatial expertise in Python script support and programming script development.
28. Assist with developing GeoBase geodatabases for emerging technologies when not otherwise available. Deliverables may include analysis of experimental designs and analysis and recommendations concerning the adoption of these designs and performance audits of new technologies for accuracy and completeness.
29. In collaboration with AFCEC FMO and PMO, continuously monitor industry activities and identify Best Practices for review and consideration within the USAF GeoBase program.
30. Identify, deploy, and maintain existing and new Geographic Information System (GIS) applications for integrating geospatial mission data.
31. Provide offsite technical and programmatic GIS support for application and data integration.
32. Coordinate/Facilitate GIS meetings with stakeholders.
33. Advocate for GeoBase capabilities with stakeholders at all operational levels.
34. Support echelon-level portfolio management responsibilities for hosting geospatial data on IT systems and architecture.
35. Provide support to integrate data into the GeoBase geodatabase and perform advanced database queries.
36. Provide operational Support to implement GeoBase geodatabase version control of geospatial data.
37. Manage database connections and configurations to accommodate geospatial data integration.
38. Establish best practices for hosting component-level data on web map viewers.
39. Perform data maintenance procedures on all GeoBase geodatabase information.
40. Develop and deploy GeoBase Data Services for analysis and processing of geospatial data.
41. Provide Small Unmanned Aircraft Systems (sUAS) engineering and GIS support in areas such as roof surveys, terrain modeling and pavement management and other areas as capabilities dictate.
42. Utilize sUAS to capture terrain and imagery data to help planners and engineers with decision making by providing high resolution imagery and produce surface models.
43. Assist and work with other AF and DoD entities in developing policies.

44. Formulate playbooks associated with incorporating sUAS technology for infrastructure planning and management.
45. Research and report on Cost/Benefit and Return on Investment (ROI) of sUAS Technology as applied to the AFCEC GIO mission.

4.3 Training Support (Task 8)

The contractor shall comply with the requirements of C.5.8 (Training Support) of the Task Order and shall provide USAF GeoBase Training Support, to include:

1. Provide assistance in training and/or training deliverables to support USAF GeoBase program missions to empower geospatial stakeholders.
2. Develop geospatial training plans and guides.
3. Develop training videos/vignettes.

5.0 TRAVEL:

All travel shall be in accordance with H.12.1, and H.12.2. Before undertaking long distance travel to any Government site or any other site in performance of this TDL, the contractor shall have this travel approved by, and coordinated with, the FEDSIM COR. All Defense Base Act (DBA) insurance reimbursement requests shall be submitted in advance of need for approval by FEDSIM.

Long-distance travel is defined as travel over 50 miles from the contractor's duty station and/or assigned place of performance. Local travel will not be reimbursed.

Contractor costs for travel will be reimbursed at the limits set in the following regulations (see FAR 31.205-46):

- a. FTR - prescribed by the GSA, for travel in the contiguous U.S.
- b. JTR, Volume 2, DoD Civilian Personnel, Appendix A - prescribed by the DoD, for travel in Alaska, Hawaii, and outlying areas of the U.S.
- c. DSSR (Government Civilians, Foreign Areas), Section 925, "Maximum Travel Per Diem Allowances for Foreign Areas" - prescribed by the Department of State, for travel in areas not covered in the FTR or JTR.

6.0 OTHER DIRECT COSTS (ODC) TRAINING/MATERIALS:

All Equipment/Material and ODCs shall be purchased in accordance with H.13. The contractor shall submit to the FEDSIM COR a request to initiate purchase (RIP) prior to purchase of hardware, software, and related supplies. The contractor shall not make any purchases without an approved RIP from the COR.

7.0 PLACE OF PERFORMANCE:

Tasks will be performed at

(b) (3) (A)

Task will also be performed at

8.0 SECURITY/INFORMATION SECURITY:

All persons performing work under this contract shall protect and safeguard information in accordance with DoD directives, instructions, and procedures. These same persons shall immediately report any deviation or violation of this guidance, or any unusual or suspicious activity to the Security Office and will provide assistance and full cooperation in any subsequent investigations or inquiries conducted by governmental agencies.

Contractor employee use of contract specific commercial and/or DoD Computers/IT assets is For Official Use Only and its use is subject to monitoring at any time. All data generated or collected on DoD computers/IT assets becomes the property of the U.S. Government and its release, downloading or transmittal is subject to Government approval. Contractor personnel are not authorized to introduce computer hardware, software, or data storage media; physically or electronically; into a government facility, computer, or network device without prior written approval and notification of the appropriate Government authorities.

9.0 ANNUAL TRAINING:

Contractors are required to complete all mandatory training.

10.0 SEVERABILITY STATEMENT:

This TDL is a severable task. It is a dynamic concept requiring incremental funding due to changing customer requirements.

11.0 DELIVERABLES CHECKLIST:

#	Milestone/Deliverable	Required	Schedule	TO Mapping
1	Draft TDL Plan	<input checked="" type="checkbox"/>	At Project Requirement Kick-Off Meeting	17
2	TDL Kick-Off Meeting	<input checked="" type="checkbox"/>	Per PMP	15
3	TDL Kick-Off Meeting Minutes	<input checked="" type="checkbox"/>	NLT 5 workdays after Project Requirement Kick-Off Meeting	18
4	TDL Plan	<input checked="" type="checkbox"/>	10 workdays after receipt of Government comments and updated periodically	19
5	Monthly Status Report	<input checked="" type="checkbox"/>	Monthly 10th calendar day of the next month	8 & 9
7	JIRA project status reports	<input checked="" type="checkbox"/>	Weekly	8
8	Trip Reports	<input checked="" type="checkbox"/>	NLT 10 days from end of trip	11

12.0 DOCUMENT HISTORY:

Revision No.	Author	Reason for Change	Document Date
2020-05 MOD 1	(b) (6)	TO Option Period Two (OP2) exercised. TDL revised for OP2 dates	09 September, 2020
